

107 Rec'd PCT/PTO 01 FEB 2006

TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER
ATI-0029

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
10/566656

INTERNATIONAL APPLICATION NO. PCT/US2004/022314	INTERNATIONAL FILING DATE 09 August 2004	PRIORITY DATE CLAIMED 07 August 2003
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TITLE OF INVENTION
ENHANCED ENGINEERED CHROMOSOME FORMATION FROM ALPHA SATELLITE WITH ARTIFICIALLY INCREASED DENSITY OF CENP-B BOXES

APPLICANT(S) FOR DO/EO/US
Gil B. VAN BOKKELEN and Joydeep BASU

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is attached hereto.
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)).
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.
12. ☐ An Assignment Document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A Preliminary Amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute Specification.
16. ☐ A Power of Attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☐ Other items or information

U.S. APPLICATION (known, see 37 CFR 1.6)		INTERNATIONAL APPLICATION		ATTORNEY'S DOCKET NO.	
107566656		PCT/US2004/022314		ATI-0029	

The following fees have been submitted:			Calculations	PTO User Only
21. <input checked="" type="checkbox"/>	Basic national fee	\$300.00	\$ 300.00	
22. <input checked="" type="checkbox"/>	Examination fee		\$ 100.00	
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)			100.00	
All other situations.....			\$200.00	
23. <input checked="" type="checkbox"/>	Search fee		\$ 300.00	
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....			\$300.00	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB			\$400.00	
All other situations.....			\$500.00	
TOTAL OF 21, 22, and 23 =			\$ 700.00	
<input type="checkbox"/>	Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.		\$	
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	
- 100 =	0/50 =		x \$250.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).			\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims	28 - 20 =	8	x \$50.00	\$ 400.00
Independent Claims	10 - 3 =	7	x \$200.00	\$1,400.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00	\$ 360.00
TOTAL OF ABOVE CALCULATIONS =			\$2,860.00	
<input checked="" type="checkbox"/>	Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		\$1,430.00	
SUBTOTAL =			\$1,430.00	
Processing fee of \$130.00 for furnishing the English language translation later than 30 months from the earliest priority date (37 CFR 1.492(f))			\$	
TOTAL NATIONAL FEE =			\$1,430.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) \$40.00 per property			\$	
TOTAL FEES ENCLOSED =			\$1,430.00	
			Amount to be refunded:	\$
			charged:	\$

a. ☒ A check in the amount of \$ 1,430.00 to cover the above fees is enclosed.

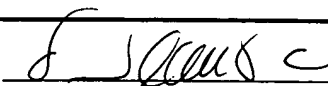
b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-0607. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:
CUSTOMER NO. 34610


 SIGNATURE
 Donald R. McPhail, Esq
 NAME
 35,811
 REGISTRATION NUMBER

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Date: FEBRUARY 1, 2006